

CLAIMS

What is claimed is:

1. A modular wireless communication module, comprising:
a transceiver coupled to a processor and memory; and
an interface block coupled to the processor, wherein the processor is programmed to operate in accordance with an identifier signal received from at least one among a plurality of host devices each having different user interfaces.
2. The modular wireless communication module of claim 1, wherein the module further comprises a digital signal processor coupled to the processor.
3. The modular wireless communication module of claim 1, wherein the module further comprises a display coupled to the processor.
4. The modular wireless communication module of claim 3, wherein the display presents content associated with a given host device among the plurality of host devices.
5. The modular wireless communication module of claim 1, wherein the processor controls the operation of a given host device once coupled to the given host device.
6. The modular wireless communication module of claim 1, wherein the module further comprises an antenna coupled to the transceiver.

7. A modular communication system, comprising:
 - a modular wireless communication module having a transceiver coupled to a processor and memory, and a first interface block coupled to the processor;
 - a host device having a power source, a user interface, and a second interface block, wherein the host device is one among a plurality of host devices having different user interfaces and the processor is adaptable to control the different user interfaces when the first interface block recognizes the second interface block of a given host device.
8. The modular communication system of claim 7, wherein the modular wireless communication module further comprises a digital signal processor coupled to the processor.
9. The modular communication system of claim 7, wherein the modular wireless communication module further comprises a display coupled to the processor.
10. The modular communication system of claim 9, wherein the display presents content associated with a given host device among the plurality of host devices.
11. The modular communication system of claim 7, wherein the processor controls the operation of a given host device once coupled to the given host device.
12. The modular communication system of claim 7, wherein the module further comprises an antenna coupled to the transceiver.
13. The modular communication system of claim 7, wherein a given host device among the plurality of host devices is selected from the group of a monolith phone, a flip phone, a wristwatch communicator, a camera phone, a video phone, a qwerty key-board host device, a pendant-shaped host device, an MP3 player device, a heart rate monitor, a game controller host, a toy, a stroller, and a crib.

14. An adaptable communication module, comprising:

a radio communication transceiver having a processor programmed to operate with and control a plurality of different host devices having different user interfaces; and
an interface block coupled to the processor for detecting at least one among the plurality of host devices.

15. The adaptable communication module of claim 14, wherein the adaptable communication module further comprises a presentation device coupled to the processor for presenting information associated with the adaptable communication module and a given host device among the plurality of host devices.

16. The adaptable communication module of claim 15, wherein the presentation device is selected from among a display and a speaker.

17. The adaptable communication module of claim 14, wherein the plurality of host devices each includes an interface block for interfacing with the interface block of the adaptable communication module.

18. The adaptable communication module of claim 14, wherein a given host device among the plurality of host devices is selected from the group of a monolith phone, a flip phone, a wristwatch communicator, a camera phone, a video phone, a qwerty key-board host device, a pendant-shaped host device, an MP3 player sport device, a heart rate monitor, a game controller host, a toy, a stroller, and a crib.

19. A host device for mating with a modular wireless communication module having a first interface block and a transceiver coupled to a processor, comprising:

- a power source;

- a user interface coupled to the power source; and

- a second interface block, wherein the host device is one among a plurality of host devices having different user interfaces controlled by the processor when the first interface block recognizes the second interface block of the host device.

20. A method of reusing a modular wireless communication module among a plurality of different host devices, comprising:

- selectively coupling the modular wireless communication module with a first host device having a first user interface;

- recognizing the first host device to enable a processor within the modular wireless communication module to control the first host device and the first user interface;

- selectively coupling the modular wireless communication module with at least a second host device having a second user interface; and

- recognizing the second host device to enable the processor within the modular wireless communication module to control the second host device and the second user interface.